ABSTRACT OF THE DISCLOSURE

The invention relates to azeotropic and azeotrope-like mixtures of 1,1,1-trifluoroethane (HFC-143a) and hydrogen fluoride and a process for separating the azeotrope-like mixtures. The compositions of the invention are useful as an intermediate in the production of HFC-143a. The latter is useful as a nontoxic, zero ozone depleting fluorocarbon useful as a solvent, blowing agent, refrigerant, cleaning agent and aerosol propellant.